

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning on page 4, line 16 as follows:

~~Co-pending United States Patent Application Serial No. 09/378,634, filed 20 August~~
~~1999~~ U.S. Patent No. 6,400,453 issued June 6, 2002, which is incorporated herein by reference, describes an instrumentation system for the rapid analysis and sorting of multicellular organisms using optical characteristics such as light scatter and fluorescence to classify each organism in a flowing stream. A single value of fluorescence intensity at a given emission wavelength is detected and assigned to each organism. However, this instrument reports only the intensity, not the position of fluorescence along the major (long) axis of the organisms.